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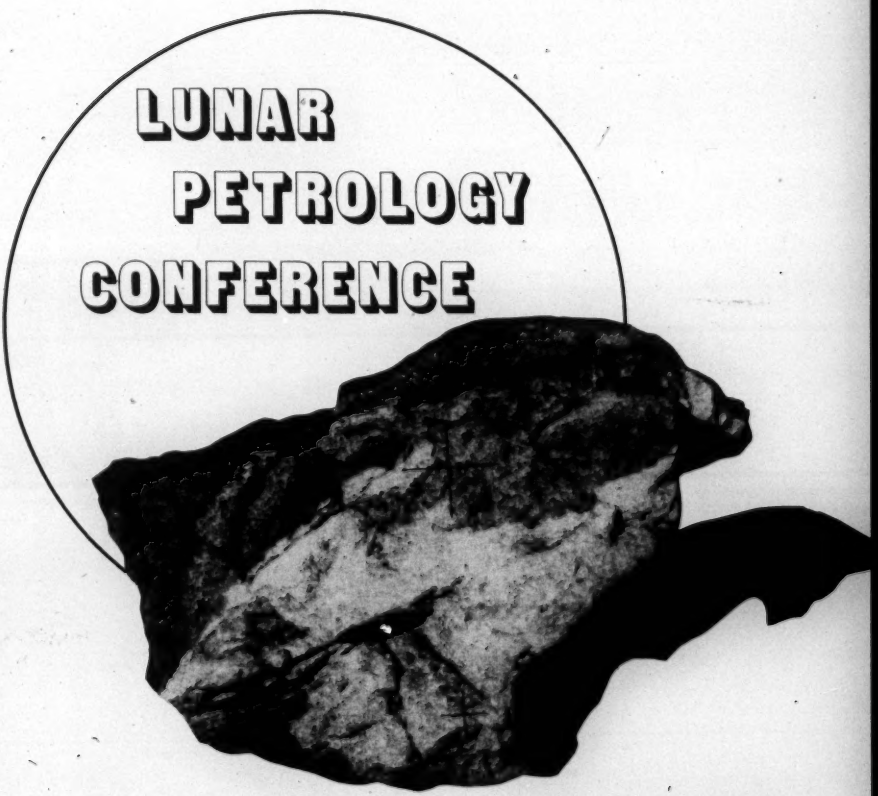

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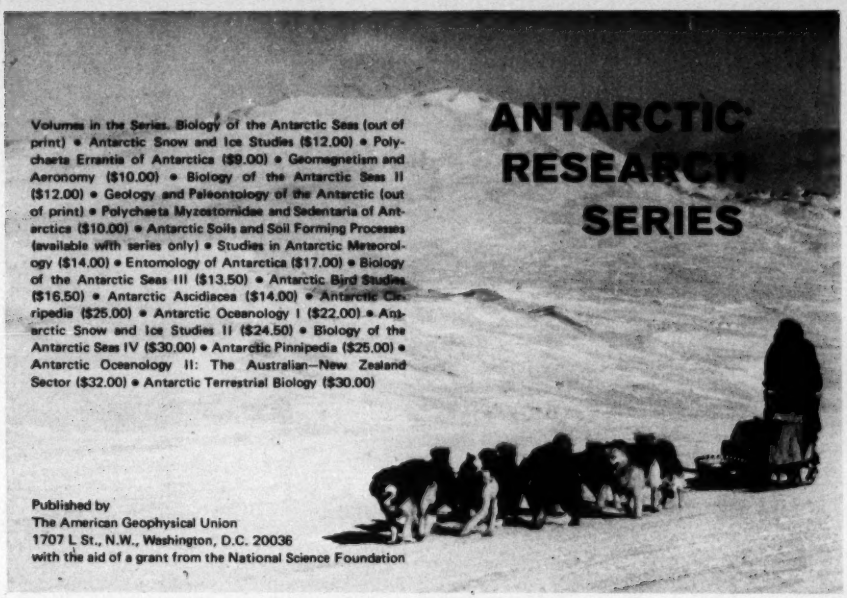

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Index to Volume 55, 1974

NAMES

Author Index for Fifty-Fifth Annual Meeting is found on page 490; Fall Annual Meeting, page 1204.

Abel, R.B., 26
Abelson, P.H., 3(18), 59, 107, 507, 587, 616, 644-647, 671
Adelfang, S.I., 854
Aldrich, L.T., 28–29
Allen, C.R., 836
Anders, E., 664
Anderson, C.E., 30
Anderson, D.L., 701
Anderson, J.D., 515–523
Armstrong,* J.C., 855
Armstrong, R.L., 32
Atlas, D., 534
Aubert, E.J., 26

Back, W., 154
Barghoorn, Elso S., 969–970
Barrow, T.D., 968
Baskin, C.R., 39–41
Batten, L.J., 882
Beard, L.R., 29
Behrendt, J.C., 154
Belmont, A.D., 750–751
Berger, J., 836
Boettcher, A.L., 1068–1072
Bolt, B.A., 108–117
Booker, J.R., 27
Bowin, C., 536–537
Boyd, F.R., Jr., 664, 700
Braham, R.R., Jr., 30
Brakensiek, D.L., 907
Brett, P.R., 4–8
Briscoe, M.G., 761–762
Brune, J.N., 820–827
Brutsaert, W., 195–196
Bryan, K., 30
Burch, J.L., 971

Cadle, R.D., 747
Cannon, G.A., 30
Carovillano, R.L., 31–32
Chandra, S., 758
Changnon, S.A., Jr., 30
Chappell, C.R., 776
Chopra, K.P., 968
Chovitz, B., 128
Chow, V.T., 616, 907
Clark, F.E., 854
Clark, J.H.E., 751–752
Claymore, D.E., 743–744
Colbeck, S.C., 658
Cole, H.P., 524
Corey, J.C., 183
Counselman, C.C., III, 540
Cox, A., 1067–1068
Cragwall, J.S., Jr., 616
Croley, T.E., II, 156–157
Cunnold, D.M., 752

Davies, K., 157
Deardoff, J.W., 534
Dessler, A.J., 701
Dietz, R.S., 181–182
Drake, M.J., 534
Dunne, T., 617–618

Ellis,* D.W., 155
Engdahl, E.R., 31
Evans, D.D., 922
Ewing,* M., 587, 671, 702

Feth, J.H., 194–195
Few, A.A., 508–514
Foster, T.D., 768–769
Frank, N.L., 154
Friesen, W.B., 603
Fritz, R.B., 586
Fukuta, N., 534
Fuller, M.D., 29
Furumoto, A.S., 895–899

Gaines, A.M., 157–158
Gardner, J., 743–744
Gast,* P., 600, 601
Gilluly, J., 702
Gladwell, J.S., 924–925
Gough, D.I., 595–599, 958
Griggs, D.T., 26
Gryc, G., 908

Haeussner,* T.E., 907
Hamilton, R.M., 739(742)
Hammond, G.S., 664
Hanley, T.O'D., S.J., 537–538
Hanshaw, B., 154
Hanson, H.P., 524
Hanson, W.B., 31
Harbaugh,* T.E., 855
Hayes, J., 760, 760–761
Heezen, B.C., 534
Heikkila, W.J., 60
Heindl, L.A., 190–191, 191–192, 711–712
Heirtzler, J.R., 29
Hendl, R.C., 524
Hiler, E.A., 854
Hill,* E.L., 664
Hill, M.J., 27
Hilst, G.R., 752–753
Hoffman, R.A., 971
Holland, W.R., 765–766
Howe, J.W., 156–157
Hsü, K., 16–18
Hubbard, J., 188
Hubbard, W.B., 540
Hubbert, M.K., 27
Hunkins, K.L., 758–759
Hunten, D.M., 856

Isaacs, J.D., 664

Jacobs, W.C., 882
Jayaweera, K.O.L.F., 755–756
Johnson, A.I., 29, 37
Johnson, D.S., 534
Jokipii, J.R., 534

Kaula, W.M., 155
Kelley, J.C., 538
Kisiel,* C.C., 155, 193
Kisslinger, C., 9–15
Knauss, J.A., 1051
Kohout, F.A., 535
Kovach, R.L., 31
Kraus, E.B., 763–764
Krishnamurti, T.N., 534
Kvenvolden, K.A., 908–909

Lander, J.F., 27
Landsberg, H.E., 855–856, 882
Lanzerotti, L.J., 31, 648–654
Lettau, H.H., 534
Levine, J.S., 524
Lister, C.R.B., 740–742
Lodge, J.P., Jr., 907
London, J., 907–908
Lowdermilk,* W.C., 664
Lowman, P.D., Jr., 854
Lukes,* G.D., 907
Luthin, J.N., 854

MacCracken, M.C., 753–754
Machta, L., 534
Maddock, T., III, 924
Mala, D.H., 187–189
Mann,* V.I., 1066
Mason,* A.H., 616
Matalas, N.C., 29
Matsushita, S., 591–593, 599
Maxwell, A.E., 28
McCormac, B.M., 818
McCulloch, J.A.W., 189–190
McGinnis, D.F., 703–711
McKelvey, V.E., 84
McLane,* C.K., 855
McTigue,* A.C., 664
Melchior, P.J., 84, 149
Meloy, T.F., 855
Mifflin, M.D., 909–910
Mitchell, J.M., Jr., 26, 30
Moritz, H., 536
Morrison, F., 29
Morse, S.A., 106
Mudie, J.D., 946
Mueller, I.I., 128, 540, 836
Murcray, D.G., 748
Murray, G.E., 855

Nagy, A.F., 31
Nalwalk,* A.J., 1066
Negi, J.G., 154–155
Neshyba, S., 764–765
Nielson, D.R., 183
Nur, A.M., 32, 671, 701

O'Brien, J.J., 968
O'Leary, B.T., 31
Oltman, R.E., 38
Orlin, H., 655–656
Ostapoff, F., 762–763, 763–764

Pakiser, L.C., Jr., 743–744
Panofsky, H.A., 766–767
Paskausky, D.F., 668
Peale, S.J., 540
Peck, D.L., 32
Peckham, A.E., 38–39
Perla, R.I., 658
Petrie, W.L., 833–835
Piggot,* C.S., 969
Pike, C.P., 604–605
Podzimek, J., 757
Pomerantz, M.A., 955–957
Poppoff, I.G., 86–87
Press, F., 27, 702, 947(1026)

Quiroz, R.S., 748–749, 756–757

Ragan, R., 920–921
Ramage, C.S., 617
Rango, A., 703–711
Rapp, R.H., 118–126, 128
Rasmusson, E.M., 26
Reid, A.M., 4–8
Ridley, W.I., 4–8
Riecker, R.E., 32, 535–536
Rikitake, T., 9–15
Rinehart, J.S., 1052–1062
Ringwood, A.E., 671, 700
Roper, R.G., 749–750
Rosen, J.M., 746–747
Ross, D.A., 84–86
Rostoker, G., 593–595, 599
Rubey,* W.W., 664
Rubin, M.J., 756
Ruby,* S., 664
Ruttenberg, S., 767–768

Salomonson, V.V., 703–711
Sanchez, R.M., 84
Sasamori, T., 754–755
Savage, J.C., 836
Schneider, W.J., 922–923
Shapiro, I.I., 664
Sharma, P.V., 907
Silver, L.T., 664
Singer, S.F., 948–954
Sleep, N.H., 86
Slosson, J.E., 534
Smith,* C.P., 969
Smith, P.J., 659
Solomon, H., 759–760
Spencer, D.W., 30
Spilhaus, A., 155
Spilhaus, A.F., Jr., 883
Stanford, J.L., 969
Stout, G.E., 27
Strom, R.G., 969
Sturges, W., 128
Sugiura, M., 589–591, 599, 648–654
Sullivan, W.S., 534
Symons,* J.M., 969

Toksöz, M.N., 31
Tolson, R.H., 540
Toon, O.B., 524
Townsend, C.K., 26

Asterisk indicates deceased members. Numbers in parentheses are numbers of nonconsecutive pages on which articles are continued.

Vallejos, L., 743–744
Vasyliunas, V.M., 60–66
von Arx, W.S., 828–832
Vonder Haar, T., 757–758
Vondrak, R.R., 524

Waldbaum,* D., 664
Walt, M., 1066–1067
Ward, D.E., 743–744
Warren, B.A., 762
Wasserburg, G.J., 84, 600–603, 819(860–862)
Watson, K.M., 664
Weertman, J., 836
Weiffenbach, G., 128
Weiss, A.O., 917
Wendler, G., 755
Wetherill, G.W., 664
Wheeler, R.H., 834
Whipple, F.L., 27
Whitfield, K.O., 643–654
Whitten, C.A., 843–844
Wiesnet, D.R., 703–711
Wilkening, L.L., 534
Williams, J.R., 186–187
Williams, O.W., 29
Winograd, I.J., 894–894, 918–919
Wolf, R.A., 32
Wunsch, C., 665–666

Zmuda,* A.J., 588–589, 590, 855, 969
Zumberge, J.H., 855

SUBJECTS AND TITLES

Abstract, the sneak preview, 106
Abstracts, instructions for preparing, 688
Acid clouds of Venus, 81
Activities of the U.S. National Committee for Geochemistry, 833
Advanced study of atmospheres, 23
Advanced study institute offered by NATO, 532
Aerosols, global temperatures, and climate linked, 771
AGI minority participation program: first scholarship awards made, 966
AGU: candidates, biographical sketches, 28; conference on magnetospheric-ionospheric coupling, 776; Congressional Liaison Committee, 966; EOS section, 28, 60, 128, 540, 619, 668, 776, 836, 971, 1068; Skylab project, conference, 149; statutes and by-laws, 33. *See also* AGU Council; AGU/NASA conference; Fall annual meeting, AGU; Fifty-fifth annual meeting, AGU; GEOP research conference; Midwest Region, AGU; Pacific Northwest Region, AGU.
AGU Council: meeting December 1973, 559; meeting April 1974, 619
AGU/NASA conference on electrodynamics of substorms and magnetic storms, 971
AIAA/AGU space science conference, 149
Air pollution analysis, instrumentation for, 847
Air pollution study contract awarded, 151
American Astronomical Society. *See* 1974 meeting of DPS/AAS.
American Geological Institute. *See* AGI.
American Geophysical Union. *See* AGU.
American Institute of Aeronautics and Astronautics. *See* AIAA.
American Society of Civil Engineers. *See* ASCE; 'Planning for the Year 2020.'
American Society for Testing Materials. *See* ASTM.
'America's inventive genius' theme of bicentennial exhibition, 903
The ancestry of solar-terrestrial research, 955
Antarctic oceanographic research program begins in 1975, 904
Apollo Belvedere, 819
Application of mathematical models in hydrology and water resources systems—symposium and workshops, 906
Arctic Geology, AAPG Memoir 19 (review), 908
Arpege, 615
Articles, 4, 108, 118, 508, 515, 524, 588, 644, 648, 740, 743, 820, 828, 833, 884, 895, 948, 955, 1052
ASCE symposium and conference will consider irrigation, drainage, and watershed management, 906
ASTM forms subcommittee on meteorology, 151
Atlantic continental shelf, Maurice Ewing and, 587
Atmospheres, advanced study of, 23
Atmospheric electricity conference, 660
Auroral-polar currents, 593
Auroras, Dapp satellite observations of, 604
Awards presented at fifty-fifth annual meeting, 700

Books and translations, 27, 87, 158, 182, 539, 618, 666, 775, 856, 910, 970, 1068
Brackish water symposium set, 922
Building for the future, 883

Canadian data bank dictionary issued, 921
Canadian hydraulics proceedings issued, 194
Carbon analyzer, 968
Carbon and the Biosphere (review), 908
Carnegie and IUGS sponsor meeting to study oldest Precambrian rocks, 614
CERI, thermal pollution study undertaken by, 904
Circum-Pacific map project, 612
Climate and Life (review), 855
Cloud physics meetings planned, 843
Coastal Deserts: Their Natural and Human Environments (review), 909
Coastal managers, training program for 774
Cold regions, conference on soil-water problems, 966
Columbia River Interstate Compact, Politics of Negotiation (review), 38
Comets, the study of—IAU colloquium 25, 533
Common waters, separate interests: *Columbia River Interstate Compact, Politics of Negotiation* (review), 38
Communication of geophysics, 59
Composter, 534
Computer conference, 663
Conference on conversion of refuse to energy, 1064
Conference on soil-water problems in cold regions 966
Correction, 603
Cosmical Geophysics (review), 856
COSPAR: seventeenth plenary meeting, 150, 900. *See also* International conference on planetary satellites.
Current status of understanding quasi-permanent fields associated with earthquakes, 820

Dapp satellite observations of auroras, 604
Datalogger, 153
The decade is over—IHD Coordinating Council holds last session, 963
Deep-seated rocks and geothermometry, review of symposium on, 1068
Desalination plants, United Nations survey, 615
Dew point hygrometer, 774
Digitizer, sonic, 663
Direct measurement of water movement in the zone of aeration, 183
Distance to moon measured more accurately, 20
Doctorates in earth sciences, increase in, 21
DPS/AAS 1974 meeting, 82
Drainage Basin Form and Process: A Geomorphological Approach (review), 617
Drops and bubbles, international colloquium on, 613
Dynamics of the Homogeneous and the Quasihomogeneous Ocean (review), 665

Earth (review), 1067
Earth sciences doctorates, increase in, 21
Earth Sciences, Research School of, 662
Earthquake mechanism and displacement fields close to fault zones (report on sixth GEOP research conference), 836
Earthquake prediction and control, U.S.-Japan seminar, 9
Earthquake prediction and public reaction, 739
Earthquake program guide, national, 844
Earthquake research proposals, USGS solicits, 1064
Earthquake studies in the People's Republic of China, 108
Earthquakes, current status of understanding quasi-permanent fields associated with, 820
Earth's deep crust, NSF awards grant to study, 1065
Eastern Snow Conference 1975 dates announced, 906
Effects of induction in the earth upon measurements of external time-varying magnetic fields, 595
Effluent variability to be studied, 774
Electrodynamics of substorms and magnetic storms—Topical conference, 971
Electromagnetic induction in the earth, workshop, 958
End-of-decade conference, 712
Energy, conference on conversion of refuse to, 1064
Energy: natural limits and abundances, 828
Energy, Patent Office gives priority, 21
Energy crunch, the, 3
Energy needs, meeting, 644
Energy-related abstracts in new publication, 615
Energy-related graduate traineeships, 853
Energy-related research office established at NSF, 662

Engineering geologists' annual meeting, 25
Engineering seismology bulletin resumes publication, 1065
Environmental needs and costs, future, 948
Environmental Protection Agency. *See* EPA.
Environmental sciences, post offered as visiting scientist in, 967
Environmental Space Sciences (review), 86
Enzite columns, 616
EPA publishes field year reports, 919
EPA reissues 1965 lake report, 37
ERTS, new energy and ore finds possible through, 81
European Geophysical Society: first annual meeting, 16; younger scientists in, 659
Evapotranspiration of Groundwater—A Time Series Analysis of the Hydrologic Regimen of a Groundwater Discharge Area (review), 924
Evolution of the Protoplanetary Cloud and Formation of the Earth and Planets (review), 155
External degree program, University of Alaska, 153

Fall annual meeting, AGU: December 1973, 545; December 1974, index of abstract authors, 1204
Federal plan for weather services, 962
Field Soil Moisture Regime (review), 922
Field trial of time series analysis: *Evapotranspiration of Groundwater—A Time Series Analysis of the Hydrologic Regimen of a Groundwater Discharge Area* (review), 924
Fifty-fifth annual meeting, AGU: awards presentsd at, 700; general information, 209; hotel map, 211; index of abstract authors, 490; program and abstracts, 214; report of, 668; session summary, 212
First annual meeting of the European Geophysical Society, 16
First annual midwestern AGU meeting, 966
Floating power plants feasibility studied, 965
Flow measurement conference, 24
Forecasting water use in a constrained environment, 917
Foreign travel, 818
Formation of the Earth and Planets, Evolution of the Protoplanetary Cloud and (review), 155
Forum, 106, 586, 818, 882, 946
Fossils, the meaning of (review), 969
Fundamental physical constants, new values published, 965
Future environmental needs and costs, 948

GAP, 47, 92, 161, 202, 564, 625, 720, 799, 863, 931, 1031, 1078
GAP, support for, 586
The General Circulation of the Tropical Atmosphere and Interactions With Extratropical Latitudes, vol. 1 (review), 617
Geochemistry, U.S. National Committee for, 833
Geodesy, planetary dynamics and, 540
Geodetic and dynamical properties of planets, 515
Geodetic networks, North American, 843
Geodetic networks, symposium to consider problems of, 151
Geodynamics, inter-union commission on, 960
Geodynamics project notes, 959
Geographical congress, 1976, 906
Geoid: definition and determination, 118
Geoid and ocean surface (report on fourth GEOP conference), 128
Geological congress, plans for twenty-fifth international, 147
Geological Society of America. *See* GSA.
Geological Society of London, hydrogeological group formed in, 848
Geologists and geophysicists plan joint conference, 614
Geomagnetic field of external origin as observed at the earth's surface, 588
Geomagnetic reversals, plate tectonics and (review), 27
GEOP research conference: fourth, 118, 128; fifth, 515, 540; sixth, 820, 836
Geophysical abstracts in press. *See* GAP.
Geophysical Research Letters, 107
Geophysical year, 44, 88, 158, 199, 560, 621, 716, 796, 858, 928, 1028, 1074
Geophysicists, 26, 84, 154, 534, 616, 664, 854, 907, 968, 1066
Geophysics. *See also* International Geophysics.
Geophysics (review), 538
Geophysics, communication of, 59
Geothermal conference scheduled, 773
Geysers, 1052
Glacier, permanent research station on, 531
Glacier movement predicted a year in advance, 83
Global tectonics, California, and petroleum exploration, 25
Gordon research conferences summer 1974, 532
Great Lakes laboratory, NOAA, 847
The Great Salt Lake and Utah's Water Resources (review), 194
Groundwater association annual meeting plans, 906
Groundwater geology, international course on, 153
Groundwater quality, second national symposium on, 613
Groundwater studies supplement, 194
GSA Penrose conference on plio-Pleistocene geochronology, 906

Handbook on the Principles of Hydrology (review), 156
Harvard University postdoctoral fellowships in geological sciences, 533
Heat and mass transfer seminar planned, 532
Highlights of the council meeting, December 9, 1973, 559
Highlights of the council meeting April 7, 1974, 619
Highlights of meeting, inter-union commission on geodynamics, 960
Hurricanes with hearts of gold, 152
Hydrogeological group formed in Geological Society of London, 848
Hydrograph analysis volume published, 922
Hydrologic Information Systems (review), 39
Hydrologic problems, systems analysis of, 193
Hydrological characteristics of river basins, inter-national symposium, 965
Hydrological effects of urbanization, 190
Hydrology: handbook on principles of (review), 156; standards in, 38; textbooks reviewed by Unesco, 921; of volcanic rocks, 918; and water resources systems, application of mathematical models to, 906
Hydrology and fate on Great Salt Lake: *The Great Salt Lake and Utah's Water Resources* (review), 194
Hydrolysis of protein, new tool for, 616

IAG symposium on terrestrial electromagnetic distance measurements and atmospheric effects on angular measurements, 151
IAGA: Division one organizational plans, 770; proposed IUGS/IAGA interunion subcommission on magnetic polarity time scale, 902
IAHS: surveys unsaturated zone, 38; treasurer appointed, 38
IAMAP-IAPSO, 1974 special assemblies, 745
IAU: colloquium 25, the study of comets, 533; (COSPAR) planetary satellites conference, 82
Icelanders' battle with dead volcano continues, 660
IEEE/AP-S symposium and USNC/URSI meeting, 853
IFYGL: EPA publishes field year reports, 919; office moves, now part of GLERL, 919; symposium at AGU meeting, 24, 192, 920. *See also IHD Bulletin.*
IHD: Coordinating Council, 712, 963; U.S. National Committee, 191, 711. *See also IHD Bulletin.*
IHD Bulletin, 37, 183, 703, 917; books, 38, 194, 703, 922; calendar, 41, 196, 713, 926; foreign reports available on loan, 41, 196, 926; IFYGL, 37, 192, 919; meeting reports, 37, 186, 711, 918; notes and commentary, 38, 193, 712, 921; short courses, 43, 198, 714, 927; U.S./IHD contributions, 193
IMS, U.S. participation in, 842
Increasing minority participation in the geophysical sciences, 643
Induction, 595
Institute of Electrical and Electronic Engineers. *See* IEEE.
Institute scheduled on unsteady flow in open channels, 531
Instrument Society of America. *See* ISA.
Instrumentation for air pollution analysis, 847
Interactions between the moon and its environment, 846
International Association of Geodesy. *See* IAG.
International Association of Geomagnetism and Aeronomy. *See* IAGA
International Association of Hydrological Sciences. *See* IAHS.
International Association of Meteorology and Atmospheric Physics. *See* 1974 special assemblies of IAMAP-IAPSO.
International Association of Physical Sciences of the Oceans. *See* 1974 special

assemblies of IAMAP-IAPSO.
International Astronomical Union. *See* IAU.
International conference on planetary satellites, 82
International conference on 'red tide,' 848
International Field Year for the Great Lakes. *See* IFYGL.
International geological congress, twenty-fifth, 147
International geophysics, 9, 131, 528, 606, 657, 745, 842, 900, 958
International Hydrological Decade. *See* IHD.
International Magnetospheric Study. *See* IMS.
International meetings in solar-terrestrial physics, 648
International symposium on applications of marine geodesy, 528
International symposium on hydrological characteristics of river basins, 965
International symposium on recent crustal movements, 149
International symposium on water-rock interaction, 24
International Union of Geodesy and Geophysics. *See* IUGG; IUTAM-IUGG symposium.
International Union of Geological Sciences. *See* Carnegie and IUGS sponsor meeting.
International Union of Theoretical and Applied Physics. *See* IUTAM.
International water quality meeting, 24
International water resources seminar—new dates announced, 530
Introductory Oceanography (review), 666
Invertoscope, 25
Ionospheric sources, 591
Ionospheric Waves, Theory of (review), 157
Irrigation, drainage, and watershed management, ASCE symposium and conference, 906
ISA international conference, 82
Island Arcs: Japan and Its Environs (review), 86
IUGG: new secretary general, 149; sixteenth general assembly, 606, 657; tsunami committee meeting, 23. *See also* IUTAM-IUGG symposium.
IUGS: (IAGA) interunion subcommission on magnetic polarity time scale, 902; (Carnegie and) meeting to study oldest Precambrian rocks, 614
IUTAM-IUGG symposium on turbulent diffusion in environmental pollution, 131

James B. Macelwane award, 701
Joides, new member of, 773
Joint oceanographic assembly 1976 dates announced, 663
Jupiter's atmosphere, ethane and acetylene in, 530

Kemp medal, response on receiving, 600
Knowledge machine: *Hydrologic Information Systems* (review), 39

Laboratory dedicated to noted polar scientist, 153
Lake hydrology, international symposium, 189
Laser atmospheric studies conference, 24
Laser Doppler measurements methods subject of 1975 symposium, 1085
Law of the Sea Conference, 1051
Lunar petrology conference, 4
Lunar research program, NASA invites participation in, 848

Magnetic fields, measurement of, 595
Magnetic polarity time scale, proposed IUGS/IAGA subcommission on, 902
Magnetospheric cleft symposium, 60
Magnetospheric-ionospheric coupling, conference on, 776
Magnetospheric sources, 589
Major advances toward low-cost solar cells reported, 772
Man's Influence on the Hydrological Cycle (review), 922
Mapping system, 967
Marine geodesy, international symposium on applications of, 528
Marine pathology services established, 22
Marine petroleum and minerals committee established by Secretary of Commerce, 964
Marine technology society conference planned, 532
Marriage of soil and water, *Field Soil Moisture Regime* (review), 922
Martian channels linked to dry ice, 845
Maurice Ewing and the Atlantic continental shelf, 587
The Meaning of Fossils: Episodes in the History of Paleontology (review), 969
The Mediterranean Sea: A Natural Sedimentation Laboratory (review), 84
Meeting energy needs, 644
Merger further clarified (Polytechnic Institute of New York), 23
Metallogenesis, 1976 symposium on, 151
Meteorological observations and instrumentation subject of meeting, 848
Meteorological phenomena, possible relationships between solar activity and, 524
Meteorology, ASTM subcommittee on, 151
Metrication subject of international conference, 773
Micromanipulator, 853
Microscope, metallurgical, 25
Midwestern Region, AGU, first annual meeting, 966
Mineral data nomenclature, 661
Minority participation in earth science, 743
Minority participation in the geophysical sciences, 643, 743, 966
Molecules of ethane and acetylene found in Jupiter's atmosphere, 530
Moon, distance to, 20
Moon and its environment, interactions between, 846
Museum of Science and Industry, Chicago, Illinois, 903

NASA invites participation in lunar research program, 848
National Association of State Groundwater Officials (NASGO), annual meeting, 906
National Bureau of Standards. *See* NBS.
National Center for Atmospheric Research. *See* NCAR.
National earthquake program guide available, 844
National Science Foundation. *See* NSF.
NATO advanced study institute, 532
NBS to sponsor flow measurement conference, 24
NCAR researchers probe stratosphere, 772
New dimensions in satellite hydrology, 703
New energy and ore finds possible through ERTS, 81
New Great Lakes laboratory established by NOAA, 847
New journals, 28, 619, 667
New maps, 28, 775, 857, 915, 970, 1068
New member of Joides announced, 773
New mineral data nomenclature adopted, 661
New products, 25, 153, 534, 615, 863, 774, 853, 967
New publications, 27, 84, 155, 181, 535, 617, 665, 775, 855, 907, 969, 1066
New values of fundamental physical constants published, 965
News, 20, 80, 149, 180, 530, 611, 660, 771, 844, 903, 962, 1063
Newsletter on solar industry institutes, 533
1974 meeting of DSP/AAS, 82
1974 special assemblies of IAMAP-IAPSO, 745
1976 geographical congress will meet in Soviet Russia, 905
NOAA: laser tests, 611; new Great Lakes laboratory, 847; new service in technical information, 903; ocean remote sensing laboratory, 150
NSF awards energy-related graduate traineeships, 853
NSF awards grant to Cornell to study earth's deep crust, 1065
Nuclear moisture density meter, 616
Numbers and flow in the Great Lakes: *Development of Three-Dimensional Numerical Models of the Great Lakes* (review), 195

Oahu used to measure water motions, 22
Ocean remote sensing laboratory established, 150
Oceanexpo—offshore (conference), 25
Oceanographic assembly, joint, 663

Pacific Northwest Region, AGU: twentieth annual meeting, 1973, 72; twenty-first annual meeting, 620, 840
Pacific region subject of multination geologic study, 612
Particle Diffusion in the Radiation Belts (review), 1066
Permafrost, second international conference on, 186
Permanent research station established on glacier, 531
Petroleum exploration. *See* Global tectonics, California, and petroleum exploration.
Photometer, 154
Physical constants, new values published, 965
Physics and Chemistry of Ice (review), 537
Physics Today—Geophysics issue, 106
Planetary dynamics and geodesy (report on fifth GEOP research conference), 540
Planetary satellites, international confer-

ence on, 82
Planets: geodetic and dynamical properties, 515. *See also* Jupiter's atmosphere; Martian channels; Venus.
'Planning for the Year 2020,' 23
Plate Tectonics (review), 535
Plate Tectonics and Geomagnetic Reversals (review), 27
Plio-Pleistocene geochronology, GSA Penrose conference on, 906
Pollution and the nation's waters—where the program stands, 180
Possible relationships between solar activity and meteorological phenomena, 524
Post offered as visiting scientist in environmental sciences, 967
Precambrian rocks, meeting to study, 614
President's Commission for White House Fellows invites applications, 967
President's page, 3, 59, 107, 179, 507, 587, 643, 739, 819, 883, 947, 1051
Princeton announces summer courses, 531
Printer, electronic, 26
Problems related to the redefinition of North American networks, 843
Project to test windmill generator, 614
Promise her anything. . . , 615
Proposed IUGS/IAGA interunion subcommission on magnetic polarity time scale, 902

Radiation belts, particle diffusion in (review), 1066
Radiation Characteristics of the Atmosphere and the Earth's Surface (review), 907
Radioactive waste storage in the arid zone, 884
RANN guidelines for preparing unsolicited proposals, 1065
Recent crustal movements, international symposium on, 149
'Red tide,' international conference on, 848
Redefinition of North American geodetic networks, problems related to, 843
Remote sensing of coastal environment, graduate program in, 151
Report on instrumentation for air pollution analysis, 847
Report on the seventeenth meeting of COSPAR, 900
Research School of Earth Sciences, 662
Response on receiving the Kemp medal, 600
Review of symposium on deep-seated rocks and geothermometry, 1068
Revolution in the Earth Sciences: From Continental Drift to Plate Tectonics (review), 181
River basins, hydrological characteristics of, 965
Rock mechanics, third international congress on, 663

Salinity/conductivity/temperature meter, 616
Satellite hydrology, new dimensions in, 703
Satellite images of United States now available, 904
Scanning spectroradiometer, 854
Science in the age of Aquarius, 947
Science in a new era, 507
Scientific and technical advice for the federal government, 179
Sea Grant for research awarded to Woods Hole, 1066
Seamap—a postmortem, 855
Sedimentary Carbonate Minerals (review), 157
Seismograph, digital, 154
Seismometer used to observe surf conditions, 771
Seventeenth plenary meeting of COSPAR, 150
Short course on sulfide mineralogy, 774
'Simulation in perspective' computer conference theme, 663
Skylab project, conference to study results, 149
Smog study findings subject of meeting, 848
SMS-1 monitors weather systems over a third of earth's surface, 1063
The sneak preview abstract, 106
Snow and ice papers published, 921
Snow and ice study, advanced concepts in, 187
Snow mechanics, 658
Soil-water problems in cold regions, conference, 966
Solar activity and meteorological phenomena, possible relationships between, 524
Solar cells, major advances toward low cost, 772
Solar cycle, start of new, 80
Solar industry, newsletter on, 533
Solar-terrestrial physics, international meetings in, 648
Solar-terrestrial research, the ancestry of, 955
Solar wind conference, third, 81
Solid waste management, course on, 181
Spectrometer system, 26
Spectroradiometer, 854
Standards in hydrology: an international effort, 38
Start of new solar cycle reported, 80
Storm water management models, short course, 613
Study of comets—IAU colloquium 25, 533
Substorms and magnetic storms, electrodynamics of, conference, 971
Sulfide mineralogy, short course on, 774
Supporting members, 18, 58, 127, 198, 539, 620, 715, 738, 857, 915, 946, 1073
Surface drifters provide current data, 83
Symposium on hydrology of volcanic rocks, 918

Technical information, NOAA offers new service, 903
Tenth American water resources conference, 181, 905
Terrestrial electromagnetic distance measurements, IAG symposium, 151
Theory of the Earth's Gravity Field (review), 536
Theory of Ionospheric Waves (review), 157
Thermal pollution study undertaken by CERI, 904
Third international congress on rock mechanics, 663
Third solar wind conference, 81
Three-Dimensional Models of the Great Lakes, Development of (review), 195
Thunder signatures, 508
Topics in Geophysics (review), 536
Topics in hydrology—for students only: *Water Resources and the National Welfare* (review), 924
Tornado detector deployed by NOAA, 612
Training program for coastal managers, 774
Travel grants to attend conference offered to students, 774
Tsunami committee, IUGG, 23
Turbulent diffusion in environmental pollution, IUTAM-IUGG symposium on, 131

Union Radio Scientifique Internationale. *See* IEEE/AP-S symposium and USNC/URSI meeting; USNC/URSI.
United Nations survey indicates use of desalination plants spreading, 615
United Nations University, U.S. plans contribution, 905
University of Alaska external degree program, 153
University establishes Research School of Earth Sciences, 662
Unsaturated zone, IAHS surveys, 38
Unsteady flow in open channels, institute on, 531
Urban flood plain analyzed by USGS, 963
Urbanization, hydrological effects of, 190
URSI. *See* IEEE/AP-S symposium and USNC/URSI meeting; USNC/URSI.
U.S.-Japan seminar on earthquake prediction and control, 9
U.S.-Japan seminar on utilization of volcanic energy, 895
U.S. National Committee for Geochemistry, activities of, 833
USGS earthquake research center solicits research proposals, 1064
USNC/IHD: thirteenth meeting, 191; fourteenth meeting, 711
USNC/URSI-IEEE meeting announced, 533
U.S. participation in the IMS, 842
U.S. plans contribution to United Nations University, 905
U.S. program (geodynamics), 959

Venus, acid clouds of, 81
Volcanic energy, U.S.-Japan seminar on utilization of, 895

Walter, H. Bucher medal, 702
Wastes and water under the ground, 37
Water Atlas of the United States (review), 535
Water motions, Oahu used to measure, 22
Water movement in the zone of aeration, direct measurement of, 183
Water percolation in the oceanic crust?, 740
Water pollution control courses, 25
Water quality, international meeting, 24
Water resources: conference, tenth American, 181, 905; international seminar, 530; systems, short course, 181
Water Resources and the National Welfare (review), 924
Water-rock interaction, international symposium, 24
Water use in a constrained environment, forecasting, 917
Weather services, federal plan for, 962
Weather systems, SMS-1 monitors, 1063

White House Fellows, President's Commission invites applications, 967
Whoopee! Whoopee! Ice and snow and the IHD, 188
William Bowie medal, 700
Windmill generator, 614
Workshop on electromagnetic induction in the earth, 958
Wrestling with Mother Nature: *Man's Influence on the Hydrological Cycle* (review), 922
Younger scientists in the EGS, 859

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1095

FALL ANNUAL MEETING

San Francisco • December 12-17, 1974

GENERAL INFORMATION

The preliminary program for the 1974 Fall Annual Meeting appears on the following pages. PLEASE NOTE TWO CHANGES FROM PREVIOUS FALL MEETINGS: (1) THE MEETING DAYS WILL SPAN A WEEKEND. The meeting will begin on Thursday, December 12, and end on Tuesday, December 17; Thursday (December 12), Friday (December 13), Monday (December 16), and Tuesday (December 17) are full meeting days; the morning of Saturday (December 14) will be used as a session period by some sections. (2) SOME SESSIONS WILL BE HELD AT THE HOLIDAY INN-GOLDEN GATEWAY, three blocks north of the Jack Tar at Van Ness Avenue and California Street. All session room locations are followed by the hotel initials (JT or HI); the Jack Tar shuttle bus will be operating between the Jack Tar, where all meeting registration will take place, and the Holiday Inn during session periods.

The increase in meeting space is more than compensated for by the increase in contributed and invited papers submitted for the meeting. Thus TIGHT SCHEDULING MAY REQUIRE LAST-MINUTE SHIFTS OF SESSIONS FROM SCHEDULED ROOMS TO OTHER LOCATIONS ONCE THE MEETING HAS BEGUN. SUCH CHANGES WILL BE ANNOUNCED AS EARLY AS POSSIBLE; PLEASE CHECK THE FINAL PROGRAM (DISTRIBUTED AT THE MEETING), MEETING BULLETIN BOARDS, AND POSTED NOTICES FOR SUCH CHANGES. The final program, which will contain detailed session summaries and postdeadline abstracts accepted for presentation, will be distributed to all registrants at the meeting. Additional copies of this abstract volume will be available for $5 each, but quantities are limited, and members are strongly urged to bring their copies of EOS with them.

Registration is required of everyone attending the meeting, including any special symposiums; all attendees should wear their meeting badges to all meeting events. Registration fees at the meeting are: AGU members, $20; student members of AGU, $10; nonmembers, $40. One-day registrations are available at half the above rates. Members of the American Meteorological Society may register for the entire meeting at AGU member rates; members of AIAA, GSA, ASP, and AAS may register for Friday, December 13 only at AGU member one-day rates.

ALL MEETING REGISTRATIONS WILL TAKE PLACE AT THE JACK TAR ONLY, INCLUDING REGISTRATION FOR ANY SPECIAL SYMPOSIUMS. The registration schedule will be as follows:

Wed. Dec. 11	Thurs. Dec. 12	Fri. Dec. 13	Sun. Dec. 15	Mon. Dec. 16	Tues. Dec. 17
1800h-2000h	0800h-1630h	0800h-1630h	1400h-1800h	0800h-1630h	0800h-1400h

Hotel reservations should be made as early as possible; rooms can be guaranteed only by early reservation. To make a reservation, you must communicate directly with the Jack Tar Hotel, identifying yourself as attending the AGU meeting. Reservations are processed in the order received, so early action is recommended; DO NOT MAKE HOTEL RESERVATION REQUESTS TO THE AGU OFFICE, since this will only delay their receipt by the Jack Tar.

Projection equipment - Only 2" x 2" (35mm) slide projectors will be made available as standard equipment in meeting rooms. Additional equipment will be provided only if requested in advance; such requests should be made directly to the AGU office, and should include the paper number, day, time, and room of presentation.

Time allocations - Unless otherwise noted in the final program, each contributed paper is allotted ten minutes for presentation, followed by five minutes of discussion. The session chairmen will be provided with timers and will enforce the published time limits. Since starting times for most papers will be indicated in the final program, and meeting attendees will be moving between sessions to hear papers of interest to them, no alterations in starting time or paper sequence will be permitted from that printed in the final program. Authors are urged to practice their talks before colleagues before coming to the meeting.

HOW TO USE THIS PROGRAM

The program in this issue consists of the session summary chart, the abstracts, and an author index. To find a particular abstract or author, you may look:

By subject - Scan the summary chart for sessions and joint sessions in your area of interest;

By title - After finding the day and time of the appropriate session in the chart, turn to the abstracts portion of this program; abstracts are listed by sponsoring section, in chronological sequence of presentation, numbered sequentially within the section.

By author - Authors are listed alphabetically in the index, followed by the numbers of all papers on which they appear as author or co-author. Use the alphabetic part of each paper number to refer to the particular section, and the numerical part to find the particular paper.

SPECIAL EVENTS

Exploration for an Assessment of Geothermal Resources
Thursday, 0900h

The first Union session of the meeting, in the Presidio-Pacific Heights Room (JT), will be chaired by Jim Combs of the University of Texas at Dallas and will feature several invited and contributing speakers on the breadth and accessibility of geothermal power potential in the United States as an alternative to fossil fuels.

Frontiers of Geophysics
Thursday, 2030h

The evening session, in the International-California Room (JT), will feature two distinguished guests speaking about topics of interest to all scientists: Thomas Jordan, on 'Mantle Heterogeneity, Plate Motions, and Global Tectonics,' and Bruce Murray, whose presentation of 'New Knowledge of the Planets' will include orbital and flyby photography of Mars, Mercury, and Jupiter.

Energy and Climate: Outer Limits to Growth?
Friday, 0900h and 1400h

This all-day session, in the Crystal Room (HI), will be chaired by Roger Revelle of Harvard University and will include several invited speakers on the possible effects of energy consumption by man on global and local climate and possible feedback effects of climate changes on life.

Union Cocktail Party
Friday, 1630h

The annual social event will convene on the mezzanine level of the Jack Tar, where a cash bar will serve members and guests as they gather to discuss the meeting and the weekend ahead.

Fish-Eye View of the Mid-Atlantic Ridge Rift Valley Through A Porthole: Preliminary Results From Project FAMOUS
Monday, 2030h

James Moore, who served on the recent French-American Mid-Ocean Undersea Survey, will present us with a view of the mid-Atlantic spreading axis between the North American and European plates and the implications of the project's results for the theory of plate tectonics.

MIDMEETING AND POSTMEETING TOURS

AGU has arranged with San Francisco Hosts, Inc., for six tours during the weekend and at the end of the meeting; San Francisco Hosts will maintain a hospitality desk in the Jack Tar meeting registration area, and will issue tickets for tours not already booked. Those who preregistered for tours should report to this desk for boarding information.